

## Patent Abstracts of Japan

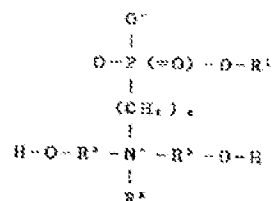
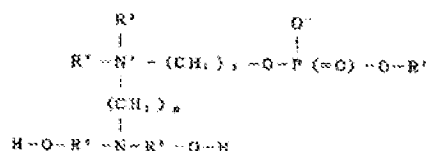
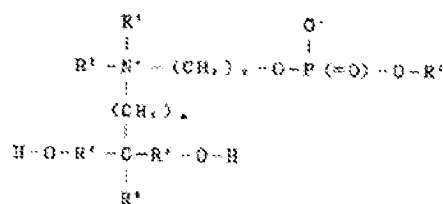
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TITLE : MEMBRANE FOR HEMOCATHARSIS  
 WITH IMPROVED ANTI-  
 THROMBOGENIC PROPERTY



ABSTRACT : PROBLEM TO BE SOLVED: To obtain good biocompatibility and anti-thrombogenic properties by using a diol having phosphorylcholine structure expressed by a specified formula as part of a diol component and adding an anti-thrombogenic polyurethane or poly(urethane urea) obtained by using at least two diisocyanates.

SOLUTION: In the blood purifying membrane for hemocatharsis applicable to blood dialysis, blood dialysis filtration, blood filtration, plasma separation, oxygenators, etc., in order to obtain good anti-thrombogenic properties over a long period, a diol having phosphorylcholine structure expressed by formulas I-III is used as at least part of a diol component, and an anti-thrombogenic polyurethane or poly(urethane urea) obtained by using at least two diisocyanates is incorporated. In the formulas, R<sup>1</sup>-R<sup>3</sup> are each 1-20C alkyl, 6-12C aryl, or the like; R<sup>4</sup> and R<sup>5</sup> are each 1-10C alkylene; m is an integer of 1-10; R<sup>6</sup> is 1-20C alkyl, 6-12C aryl, or the like.

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